Philips
LCD monitor

19"
SXGA

190C8FS

SmartImage
SmartContrast
5ms
HDCP ready
PerfecTune
Flame Retardant
SmartControl
VGA DVI DualInput

CERTIFIED FOR Windows Vista™

The very best in LCD display

An all new viewing experience! With SmartImage and SmartContrast for crystal clear pictures plus PerfecTune for quality-assured display, the 190C8 delivers the ultimate in display performance.

Outstanding front of screen performance

- SmartImage: For an optimised display experience
- SmartContrast: Dynamic, optimised contrast for visual clarity
- 5 ms fast response time
- DVI-D input and HDCP support
- PerfecTune ensures top-quality LCD display delivered to you
- Empowered for Windows Vista

Green design

- For your safety: Aerospace composite fire retardant case
- Lead-free design safeguards our environment

Great convenience

- Hassle-free display performance tuning with SmartControl II
- Dual input accepts both analogue VGA and digital DVI signals
- Cable clip manages cables for a tidy work space

PHILIPS
sense and simplicity

LCD monitor
19" SXGA

190C8FS/00

Specifications

Picture/Display
- LCD panel type: 1280 x 1024 pixels, Anti-glare polariser, RGB vertical stripe
- Panel Size: 19"/ 48 cm
- Effective viewing area: 376.3 x 301.1 mm
- Pixel pitch: 0.294 x 0.294 mm
- Brightness: 300 cd/m²
- Contrast ratio (typical): 800:1
- SmartContrast ratio (dynamic): 3000:1
- Display colours: 16.7 M
- Viewing angle: 160° (H)/160° (V), @ C/R > 10
- Response time (typical): 5 ms
- Maximum Resolution: 1280 x 1024 @ 75 Hz
- Recommended Resolution: 1280 x 1024 @ 60 Hz
- Video Dot Rate: 140 MHz
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 76 Hz
- Picture enhancement: SmartImage
- sRGB

Connectivity
- Signal Input: Analogue (VGA), DVI-D
- Video Sync Input Signal: Composite Sync, Separate Sync, Sync on Green

Convenience
- Convenience Enhancements: On-screen Display, SmartControl II
- Monitor Controls: SmartImage, Input, Auto (Back), Brightness Control (Up/Down), Menu (OK), Power On/Off
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock compatible
- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98/ME/2000/XP/Vista
- Regulatory Approvals: CE Mark, EMC, Energy Star, FCC-B, UL, CSA, SEMKO, TCO '99, TÜV/GS, TÜV Ergo
- Tilt: -2° to 20°

Accessories
- Included Accessories: AC Power Lead, VGA cable
- User Manual

Dimensions
- Box dimensions (W x H x D): 538 x 534 x 194 mm
- Box dimensions in inch (W x H x D): 21.2 x 21 x 7.6 inch
- Set dimensions with stand (W x H x D): 442 x 420 x 201 mm
- Set dimensions with stand in inch (W x H x D): 17.4 x 16.5 x 7.9 inch
- MTBF: 50,000 hrs
- Relative humidity: 20% - 60%
- Temperature range (operation): 5°C to 35°C
- Temperature range (storage): -20°C to 60°C
- Product weight (+stand): 5.3 kg
- Product weight (+stand) (lb): 11.7 lb
- Weight incl. Packaging: 7.2 kg
- Weight incl. Packaging (lb): 15.9

Electricity
- Complies with: Energy Star
- Consumption: < 36W (Typical)
- Off Mode: < 1 W
- Power LED indicator: Operation - green, Standby/sleep - Amber
- Power supply: Built-in, 100-240 VAC, 50/60 Hz

Product highlights

SmartImage
SmartImage is an exclusive leading-edge Philips technology that analyses the content displayed on your screen. Based on a scenario you select, SmartImage dynamically enhances the contrast, colour saturation and sharpness of images and videos for ultimate display performance - all in real time and at the press of a single button.

SmartContrast
SmartContrast is Philips technology that analyses the contents you are displaying, automatically adjusting colours and controlling backlight intensity to dynamically enhance contrast for the best digital images and optimum contrast for better entertainment when viewing videos or playing games where dark hues are displayed; when you select the Economy mode, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

5 ms on/off response time
On-Off response time is the period required for a liquid crystal cell to go from active (black) to inactive (white) and back to active (black) again. It is measured in milliseconds. Faster is better: lower response time means faster transitions and, therefore, results in fewer visible image artefacts in the display of transition of texts and graphics. On-Off response time is a more important measure in the display of business content like documents, graphs and photos.

HDCP ready
High-Bandwidth Digital Content Protection (HDCP) is a copyright protection system that is incorporated into the DVI connector. It helps stop unauthorised duplication of copyrighted content. HDCP allows you to play protected content media such as movies and concerts. It checks the signal to prevent piracy, allowing only legal copies of content to display.

PerfecTune
PerfecTune is industry-leading, proprietary Philips testing and algorithm technology for monitor adjustment and fine tuning, an extensive process that ensures ultimate display performance in compliance with a standard four times more stringent than Microsoft's Vista requirements from each and every monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of colour accuracy and display quality in every new monitor.

Flame retardant cabinet
PC/ABS plastic composite is the industry's best and toughest flame-retardant casing material; and is a space-age compound deployed in the aerospace and automotive industries as well as in fire detectors that is compliant with most stringent fire safety standards.

SmartControl II
SmartControl II is monitor-based software with an easy-to-use on-screen graphic interface that guides you through fine-tuning resolution, colour calibration and other display settings including brightness, contrast, clock & phase, position, RGB, white point and - on models with onboard speakers - volume adjustments.

Dual input
Dual input provides connectors to accommodate input of both analogue VGA and digital DVI signals.

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